

CENTRAL INTELLIGENCE AGENCY

INFORMATION REPORT

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1. Precision Mechanics (Presna mechanika) National Corporation in Stara Tura [4847N-1742E] was a plant for production of textile machinery spindles of several kinds, especially spindles for textile twisting machines and spindles for flax spinning machines. The plant was located in a small oblong basin below the railway station on the southern outskirts of the small town of Stara Tura.
2. All the spindles for textile twisting machines produced in this plant followed SKF standards and were of the following sizes: diameter of the spindle stem 8, 13, and 25 (or, possibly 19)mm. The spindles of the largest size were used for tire-cord twisting machines. Spindles were equipped with different centering discs and different centering lids according to their destinations within the plants where they were to be employed.
3. In principle, spindles for textile twisting machines of two kinds were produced in the plant at Stara Tura:
 - a. Spindles with a roller bearing and an exterior spring. With these the whole spindle vibrated when the material was unbalanced [See Annex B, Fig. A7].
 - b. Spindles with an inside spring. With these, only the stem with the socket vibrated in a ball box when material was unbalanced [See Annex B, Fig. B7].

25 YEAR RE-REVIEW

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4. Common spindle brakes were used for these spindles in the various textile plants. The Precision Mechanics plant designed and produced a very good and simple type of spindle brake /See Annex. B, Fig. C7. A twisting machine spindle (the diameter of the spindle stem was 13 mm.) equipped with this brake was delivered to the Silon plant in Plana nad Luznici /4921N-1442E/ in 1951 for trial purposes. This spindle was operating there along with spindles supplied by the Spindelfabrik (sic) in Bad Cannstadt, West Germany, and proved very satisfactory.
5. In July 1952, the Silon plant in Plana nad Luznici asked the Precision Mechanics plant to produce special spindles for silon centrifugal washing machines. The spindles normally used for textile twisting machines were too weak for Silon centrifugal washing machines as they suffered from extreme vibration and the spindle stems broke. The Silon plant asked for a total of 1,000 special spindles, and the Precision Mechanics plant promised to deliver several such spindles for trial purposes by the end of 1952.
6. Generally speaking, the spindles produced by the Precision Mechanics plant proved satisfactory and were able to undergo continuous operation at 16,000 rpm. They were better than the spindles produced in East Germany (probably by a VVB Textima firm), which were received by the Silon plant for twisting machines in the Autumn of 1951. These East German spindles were of a poor quality.
7. It is most probable that all the spindle parts, including roller bearings, were produced in the Precision Mechanics plant.

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Annex A: Location of Presna Medhanika n.p. in Stara Tura
B: Spindles Produced by Presna Mechanika n.p.

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- Location of Presna Mechanika n.p. in Stara Tura

Map Stara Tura West, East. Czechoslovakia
Scale 1:25,000

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SPINDLES PRODUCED BY PRESNA MECHANIKA n.p.

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Annex B

SKF Norma

Fig. a)

Fig. c)

dia 8 $\frac{7}{16}$
13
(19)
25

Fig. b)

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